

Ayako Shinozaki

List of Publications by Year in descending order

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21
papers

156
citations

1162889

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1125617

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21
times ranked

191
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Polymerization Mechanism of Nitrogen-Containing Heteroaromatic Compound Under High-Pressure and High-Temperature Conditions. <i>Journal of Physical Chemistry A</i> , 2021, 125, 376-386. | 1.1 | 0 |
| 2 | Pressure-induced irreversible amorphization of naphthalene and nitrogen-containing heteroaromatic compounds at room temperature. <i>Chemical Physics Letters</i> , 2020, 739, 136921. | 1.2 | 2 |
| 3 | Chemical reaction of the reduced carbon and hydrogen species and effect on phase relation of the silicate minerals under the interior of the Earth. <i>Ganseki Kobutsu Kagaku</i> , 2020, 49, 28-34. | 0.1 | 0 |
| 4 | Reaction between Forsterite and Nitrogen Fluid at High Pressure and High Temperature. <i>Geochemistry International</i> , 2019, 57, 956-963. | 0.2 | 0 |
| 5 | Decomposition and oligomerization of 2,3-naphthyridine under high-pressure and high-temperature conditions. <i>Scientific Reports</i> , 2019, 9, 7335. | 1.6 | 5 |
| 6 | Behavior of intermolecular interactions in <i>l</i> -glycine under high pressure. <i>Journal of Chemical Physics</i> , 2018, 148, 044507. | 1.2 | 9 |
| 7 | Pressure-induced Freeze Concentration of Alanine Aqueous Solution as a Novel Field of Chemical Reaction. <i>Chemistry Letters</i> , 2017, 46, 334-337. | 0.7 | 3 |
| 8 | Formation of amorphous hydrogenated carbon from compression of benzene. <i>Journal of Physics: Conference Series</i> , 2017, 950, 042057. | 0.3 | 0 |
| 9 | Preferential dissolution of SiO ₂ from enstatite to H ₂ fluid under high pressure and temperature. <i>Physics and Chemistry of Minerals</i> , 2016, 43, 277-285. | 0.3 | 3 |
| 10 | Stability and partial oligomerization of naphthalene under high pressure at room temperature. <i>Chemical Physics Letters</i> , 2016, 662, 263-267. | 1.2 | 14 |
| 11 | Pressure-induced oligomerization of alanine at 25 °C. <i>Chemical Communications</i> , 2015, 51, 13358-13361. | 2.2 | 15 |
| 12 | Crystal structure of magnesium dichloride decahydrate determined by X-ray and neutron diffraction under high pressure. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015, 71, 74-80. | 0.5 | 19 |
| 13 | Performance of ceramic anvils for high pressure neutron scattering. <i>High Pressure Research</i> , 2014, 34, 494-499. | 0.4 | 13 |
| 14 | Formation of SiH ₄ and H ₂ O by the dissolution of quartz in H ₂ fluid under high pressure and temperature. <i>American Mineralogist</i> , 2014, 99, 1265-1269. | 0.9 | 13 |
| 15 | Pressure-induced oligomerization of benzene at room temperature as a precursory reaction of amorphization. <i>Journal of Chemical Physics</i> , 2014, 141, 084306. | 1.2 | 27 |
| 16 | Near-infrared spectra of H ₂ O under high pressure and high temperature: Implications for a transition from proton tunneling to hopping states. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 133, 509-513. | 2.0 | 2 |
| 17 | Spin transition and substitution of Fe ³⁺ in Al-bearing post-Mg-perovskite. <i>Physics of the Earth and Planetary Interiors</i> , 2013, 217, 31-35. | 0.7 | 6 |
| 18 | In situ spectroscopic observations of pressure-induced condensation of trimethylsilanol and behavior of dehydrated molecular water. <i>Chemical Physics Letters</i> , 2013, 574, 66-70. | 1.2 | 7 |

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|----|---|-----|-----------|
| 19 | Influence of H ₂ fluid on the stability and dissolution of Mg ₂ SiO ₄ forsterite under high pressure and high temperature. <i>American Mineralogist</i> , 2013, 98, 1604-1609. | 0.9 | 10 |
| 20 | Reaction of forsterite with hydrogen molecules at high pressure and temperature. <i>Physics and Chemistry of Minerals</i> , 2012, 39, 123-129. | 0.3 | 7 |
| 21 | Polymerization of methane molecules and phase transition of san carlos olivine under the Earth's mantle conditions. <i>Journal of Physics: Conference Series</i> , 2010, 215, 012104. | 0.3 | 1 |